User Manual TRSE 6000 and TRSE 6000 FP

1 Generally

Thank you for deciding for a safe with the **BURG-WÄCHTER** TRSE 6000 electronics. You have acquired a product meeting extremely high security requirements and developed and manufactured using the latest technical potential. Please read the entire User Manual before programming and store it at a safe place for future reference.

The TRSE 6000 electronics is available in a TRSE 6000 FP version with a fingerscan unit and in another version TRSE 6000 without the fingerscan unit.

The present user manual applies to both versions, however, the menu structure is able to detect automatically the appropriate version and thus only the menu items intended for it are active. The items relevant only for the electronics with a fingerscan unit are marked with *.

Generally, you can open the safe in three possible ways:

- with a code
- with an E-Key (ident medium TSE 5103 E-Key SB and TSE 6103 E-Key not included in the delivery)
- with your fingerprint *

The administrator code when **delivered from the factory is 123456**. This code must be changed. Additional 9 users with a code to be entered by the keyboard can be defined. Such code has always six digits, similarly to administrator's code.

Additionally, up to 300 E-Keys for contactless opening can be stored.

In case you posses a safe with a fingerscan unit, up to 10 users with fingerscan can be additionally stored. Users with fingerscan are identified in the user list of the lock as USER xxx_FP.

The TRSE 6000 FP electronics is the first safe electronics, for which the opening based on fingerscan is certified.

At least two opening codes shall be entered to open the safe using fingerprint. Another opening code must be entered in addition to fingerscan. This can be either another fingerscan, but also a pin code or an additional E-Key.
All the fingerscans are stored in the system with a value of 6/12 (corresponding to a half value). In order to acquire the authorization to open, a value of at least 1 must be achieved. A pin code with a value of at least ½ must be therefore entered for the opening, a value of 1 can be also achieved with an additional fingerscan.

Attention: The values can be adjusted only using the TSE Light, TSE System and TSE System + software. When the programming is made on the safe faceplate, the pin code and the E-Key are automatically assigned the value of 1, the fingerscan receives the value of ½.

Attention: For security reasons as related to programming using the software, it is not allowed to communicate all the opening codes to a single user in case three opening codes are used (value A fingerscan is ½, value B 1/3, value C 1/3).

Example:
User A has defined his finger in the system as opening code (its value is ½). This user can be still authorized in the system with an additional opening code with a value of 1/3. A user B now needs an additional opening code with a value of at least 1/3.
If a code and/or an E-Key should be additionally assigned to a user with fingerscan, it is to be created separately. Inversely, the fingerscan should be assigned separately to a user with a code and/or an E-Key*.

To enable the use of additional functions such as time switching or calendar functions, you need the Light, System and System + software. Then you will be able to use the overall user administration.

Attention: Should the user data in the safe electronics be administered using the software, the data must be stored on a removable data carrier. Their saving in a computer is not admissible, is identified by the system and not allowed. The removable data carrier should be stored at a safe place (e.g. a safe) after the programming.

In order to enhance the protection against intrusion, the following points should be observed:

For locking systems with material code carriers, e.g. an E-Key:

- **The code carrier should be consistently stored safely, so that it is accessible only to the authorized persons.**

- **In case of a loss of the code carrier, the lock should be immediately replaced or converted to a new combination by changing the coding, and/or the code of the lost code carrier should be blocked/deleted.**

For locking systems requiring a code:

- **No personal data (e.g. dates of birth) or other data, for which a link can be derived to the code owner, should be used for coding.**
- **If the code is stored in writing, such document should be consistently stored safely, so that it is accessible only to the authorized persons.**
- **Attention: Any changes of the administrator code and of the user codes shall be made with the safe door opened!**
- **When the locking system has been reset to another code, this new code should be repeatedly used with the safe door opened.**

1.1 Description of basic functions

You can program your lock based on the following description.
You can see the programming instructions on the display. To program the lock (enter into the menu), please press the "Function" key, when the symbol "M" is displayed. You can move within the menu using the keys "1" scroll up (symbol on display) and "2" scroll down (symbol on display). When the symbol "<" is displayed, you can use the "Function" key to skip to the next higher menu level, and choose a particular menu item using the "Enter/On" key.
The battery symbol indicates the current battery status:

███▪ : Battery full
[ ]▪ : Battery empty (please replace the batteries)

1.2 Description of programming and user mode

Please find the menu structure shown on the following pages. Also the navigation is indicated. Additionally, each of the menu items is clarified:

Code change menu
Change of the administrator and user codes

Language/Sprache menu
Language setup

E-Key synchronization menu
In this program, the channel of the E-Key is adapted to the channel of the input unit. This function is necessary when the radio channel of an input unit is modified, although other radio keys (with the old channel setup) are still logged.

Info menu
Indication of version and serial number
SNA: Lock serial number

Administrator menu
This includes all the menus that can be used only with the administrator authorizations. They include:

- **Create User**

  Users can be created here. A user has either a code, or an E-Key, or both. A separate user is always created for a fingerscan.

  Anatomically, there are people, the fingerprints of whom are not sufficiently articulated for the system.
- **Assign E-Key**

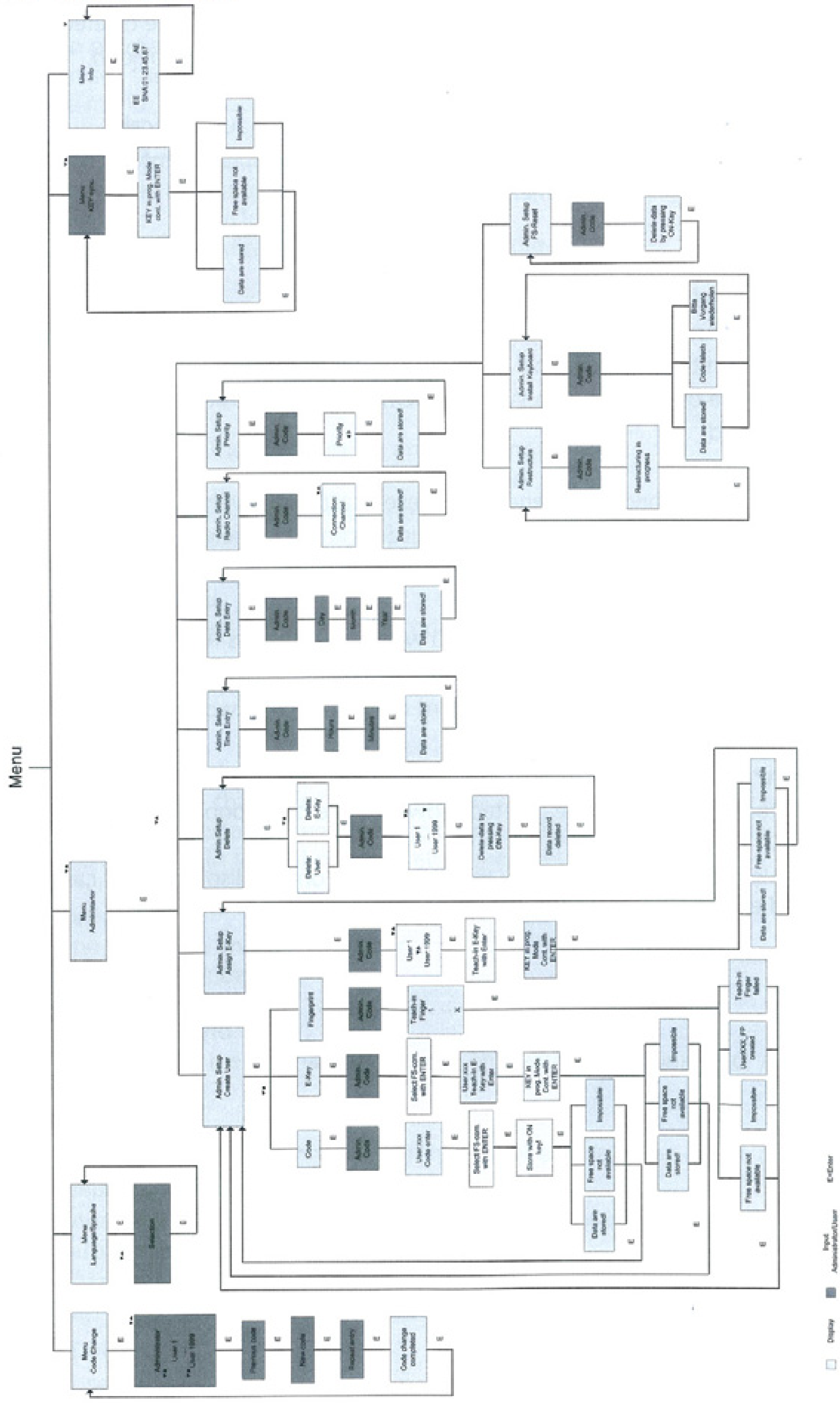
  An E-Key can be additionally assigned to a selected user here.
- **Delete**

  Users and E-Keys can be deleted here. When a user is deleted, also the code and

the E-Key belonging to the user are deleted. When an E-Key is deleted, the user is retained. To delete a fingerscan, the corresponding user has to be deleted. To delete all the fingerscans, please use the "FS-Reset" function (see below). *.

- **Time**
  Entry of the time and calibration of the clock. The clock is automatically calibrated between two specific times. Exceptions are a replacement of batteries and the switchover from summer to winter time.
- **Date**
  Entry of date
- **Radio Channel**
  The radio channel can be set up here (12 channels to select from). This can be required when the radio channel is already used by another application, e.g. WLAN. In case of collision with WLAN systems, a space of three channels is recommended.
- **Priority:**
  In case the door cannot be opened after several attempts with the E-Key, the priority of the door can be increased by this function. Inversely, also the priority of other door within the direct environment can be reduced.
- **Restructure:**
  The use of this function is recommended when several users have been deleted.
- **Register:**
  When either the lock unit or the keyboard is replaced, the two units are newly tuned to each other.
- **FS-Reset*:**
  All the stored fingerprints are deleted, however, the corresponding users are retained.
  Please select this menu anc follow the instructions on the display also in case of repeated error functions reated to the use of fingerscans.

1.3 Menu structure



1.4 Detailed description of selected basic functions

1. Opening the safe using the factory code

- Press the *On/Enter* key
- The *Code/Fingerp*** indication is displayed (**in case you possess electronics without fingerscan, *Code* is displayed instead.
- Enter the factory set code ***123456***
- The instruction *Please turn knob* is displayed

Attention: The message *Please turn knob* implies the action with the knob of the locking unit, for which the opening code has been entered.

2. Changing the administrator code

- Press the *On/Enter* key
- The indication of *Code/Fingerp** is displayed
- Press the *Function* key
- The *Change code menu* is displayed
- Press the *On/Enter* key
- The indication of *Administrator* is displayed
- Press the *On/Enter* key
- The indication of the *Old code* is displayed
- Enter the factory set code ***123456***
- Press the *On/Enter* key
- The indication of the *New code* is displayed
- Enter the new code
- Press the *On/Enter* key
- The indication of *Repeat code* is displayed
- Enter the new code
- Press the *On/Enter* key
- The indication of *Code successfully changed* is displayed

3. Creating a user with a code:

- Press the *On/Enter* key
- The indication of *Code/Fingerp*** is displayed
- Press the *Function* key
- The *Change code menu* is displayed
- By pressing the key *2* reach the *Administrator* menu
- Press the *On/Enter* key
- *Admin setup Create user* is displayed
- Press the *On/Enter* key
- *Create code* is displayed
- Press the *On/Enter* key
- At this point you are asked to enter the admin. code (factory setting 123456)
- The indication of *User 00x* is displayed
- Please enter the user code and confirm it with *ENTER*
- Press the *On/Enter* key
- *FS combination to be confirmed with ENTER**** is displayed

- Press the *On/Enter* key and accordingly the *Function* key
- After confirmation, *Save with the On key* is displayed.

*****If a user with a value of 1 (right to open alone) should be created, the message *FS combination to be confirmed with ENTER* must be followed by pressing the *Function* key. If the user should be assigned access in combination with a fingerscan only, this inquiry is to be confirmed with ENTER.**

4. Creating a user with an E-Key:

- Press the *On/Enter* key
- The indication of *Code/Fingerp*** is displayed
- Press the *Function* key
- The *Change code menu* is displayed
- By pressing the key *2* reach the *Administrator* menu
- Press the *On/Enter* key
- *Admin setup Create user* is displayed
- Press the *On/Enter* key
- *Create E-Key* is displayed
- Press the *On/Enter* key
- At this point you are asked to enter the admin. code (factory setting 123456)
- *FS combination to be confirmed with ENTER**** is displayed
- Press the *On/Enter* key and accordingly the *Function* key
- *User 00x Store E-Key using ENTER* is displayed
- Press the *On/Enter* key
- *E-Key in Prog mode, continue with Enter* is displayed
- Press the *On/Enter* key
- After confirmation, *Save with the On key* is displayed.

*****If a user with a value of 1 (right to open alone) should be created, the message *FS combination to be confirmed with ENTER* must be followed by pressing the *Function* key. If the user should be assigned access in combination with a fingerscan only, this inquiry is to be confirmed with ENTER.**

5. Storing a user with fingerprint*:

- Press the *On/Enter* key
- The indication of *Code/Fingerp*** is displayed
- Press the *Function* key
- The *Change code menu* is displayed
- By pressing the key *2* reach the *Administrator* menu
- Press the *On/Enter* key
- *Admin setup Create user* is displayed
- Press the *On/Enter* key
- By pressing the key *2* reach the *Create fingerscan* menu
- Press the *On/Enter* key
- At this point you are asked to enter the admin. code (factory setting 123456)
- The indication of *Create fingerscan* is displayed
- The indication of *Store finger* is displayed

- This procedure is repeated several times
- After a successful entry the indication *User xxx successfully created* is displayed

Attention: When saving a fingerprint it is important that the finger is laid evenly and in a straight position over the sensor. Follow the instructions on the display. The finger is saved only when it can be read in an optimum quality.

6. Opening with fingerprint*:

- Press the *On/Enter* key
- The indication of *Code/Fingerp* is displayed
- Move the saved finger over the sensor
- *Value not achieved* is displayed
- The *Code/Fingerp* indicaticn is displayed
- At this point, enter an additional opening code.
- The instruction *Please turn knob* is displayed

In case following message is displayed: *Value not achieved*, an additional opening code shall be entered. (When the programming is made using the software only. When programming using the safe electronics, the indication Please use rotating knob is displayed already when the second opening code has been entered.)

7. Deleting a finger*:

- Press the *On/Enter* key
- The indication of *Code/Fingerp*** is displayed
- Press the *Function* key
- The *Change code menu* is displayed
- By pressing the key *2* reach the *Administrator* menu
- Press the *On/Enter* key
- *Admin setup Create user* is displayed
- By pressing the key *2* reach the *Admin. setup Delete* menu
- Press the *On/Enter* key
- *Delete user* is displayed
- Press the *On/Enter* key
- At this point you are asked to enter the admin. code (factory setting 123456)
- Now you have to select the appropriate user by pressing the keys *1* or *2*
- Press the *On/Enter* key
- The indication of *Delete data to be confirmed with the On key* is displayed.
- Press the *On/Enter* key
- The indication of *Data record deleted* is displayed

Additional users can be deleted using the *On/Enter* key. By pressing the *Function* key, you can reach higher menu levels up to the code entry.

1.5 Error messages*

The following error messages are indicated when a finger is being saved or the safe opened:

Error message	Elimination of causes
too fast! please repeat	Move the finger more slowly over the sensor
too aslant! please repeat	Move the finger straight over the sensor
too short! please repeat	Move the finger over the sensor in a way allowing more surface area to be read
place to the center and repeat!	Place your finger centrally over the sensor